

In the Claims:

1. (Currently Amended) A method for managing a local Terminal Equipment (TE) accessing a network, wherein a management list of a local TE allowed to access contains containing an identity and current state information of the local TE allowed to access, is wherein the management list is configured in a Mobile Terminal (MT) and a user identity card is inserted in the MT, the method comprising the steps of:

when the network allows only a limited number of TEs to access the network via the MT, after receiving an authentication request identity message containing the identity of the local TE and from the local TE, the MT deciding according to the current state information of the local TE allowed to access whether the MT is serving the number of TEs as limited by the network;

if the MT is serving the number of TEs as limited by the network, refusing to return the identity of the user identity card to the TE, and terminating the procedure;

if the MT is not serving the number of TEs as limited by the network, the MT deciding according to the information of the TE identity in the management list whether to accept the request the MT deciding whether the identity in the received authentication request identity message exists in the management list of a local TE allowed to access;

if a decision is made to accept the request, if the identity exists in the management list of the local TE allowed to access, the MT acquiring an identity of the user identity card and returning the identity to the TE, so that the TE accessing accesses the network by using this identity, and the procedure is over; and

if a message of successful authentication is received from the TE, the MT modifying the current state information of the TE in the management list of a local TE allowed to access, making the information indicate an online state, sending key information to the TE, so that the

TE accessing the network by using the received key information;

otherwise, refusing to return the identity of the user identity card to the TE, and terminating the procedure.

2-3 (Canceled)

4. (Currently Amended) The method according to Claim 1, wherein ~~said management list containing the identity of the local TE comprises a management list of TEs allowed to access and a management list of TEs a local TE forbidden to access~~ is configured in the MT; and wherein the deciding method refusing to return the identity of the user identity card to the TE comprises:

if the MT deciding whether the identity in the received request message exists in the list of TEs allowed to access; if the identity exists in the management list of TEs allowed to access, the MT acquiring the identity of the user identity card and returning the identity to the TE, the TE accessing the network using this identity, and the procedure is over; if the identity does not exist in the management list of a local TE TEs allowed to access, the MT deciding whether the identity in the received request authentication request identity message exists in the management list of TEs a local TE forbidden to access, if the identity exists in the management list of TEs a local TE forbidden to access, refusing to return the identity of the user identity card to the TE, and terminating the procedure; otherwise if the identity does not exist in the management list of a local TE forbidden to access, refusing to return the identity of the user identity card to the TE, or determining whether to return the identity information of the user identity card to the TE according to a policy of the user.

5. (Currently Amended) The method according to Claim 1 [[2]], wherein the authentication request identity message comprises information of the authority identifier of the service to be requested, the management list of a local TE allowed to access contains authority information for the TE to access the network, and the MT acquiring an identity of the user identity card and returning the identity to the TE comprises method further comprising the steps of:

setting in the management list of a local TE TEs allowed to access authority information for the TE to access the network;

after deciding according to the information of TE identity in the management list to accept the authentication identity request, the MT deciding whether the information of service authority identifier in the received authentication request identity message is consistent with the authority information of the TE in the management list of a local TE allowed to access;

if the information of service authority identifier in the received authentication request identity message is consistent with the authority information in the management list of TEs a local TE allowed to access, the MT acquiring identity of the user identity card and returning the identity to the TE, so that the TE accessing accesses the network by using this identity, and the procedure is over; otherwise, refusing to return the identity of the user identity card to the TE, and terminating the procedure.

6-7. (Canceled)

8. (Currently Amended) The method according to Claim 1 [[7]], further comprising, the steps of: after the TE terminating the service communication with the network side, the network side sending to the TE a logoff notice containing the authority identifier of logoff, the TE forwarding the received logoff notice to the MT, and the MT, after receiving the logoff notice

forwarded by the TE from the network side, modifying the current state information of the TE in the management list of TEs a local TE allowed to access, making the information indicate an unused state.

9. (Currently Amended) The method according to Claim 8, further comprising ~~the steps of~~: when not having received a logoff notice sent from the TE that has been identified as in the online state for a preset period of time, the MT modifying the state information of this TE, making the information indicate the unused state.

10. (Currently Amended) The method according to Claim 8, when the MT modifies the state information of the TE in the management list of TEs a local TE allowed to access to make the information indicate the online state, further comprising ~~the steps of~~:

stamping the time on the modified state information; wherein

when the MT receives a new authentication identity request and decides according to the current state information of the TE in the management list of a local TE allowed to access that the MT itself is serving a number of TEs as limited by the network, the method further comprises:

deciding whether the time difference between the current time and the time indicated by the time stamp on the state information of the TE has exceeded a preset time threshold;

if the time difference has exceeded the preset time threshold, modifying the state information of the TE, and making the information indicate the unused state; otherwise, refusing to return the identity of the user identity card to the TE, and terminating the procedure.

11. (Canceled)

12. (Original) The method according to Claim 1, wherein at least one management list is set in the MT, and each management list is corresponding to a user identity card.

13. (Original) The method according to Claim 12, wherein the user identity card comprises a Subscriber Identity Module (SIM) of GSM, a USIM of 3GPP, or an ISIM of IP multimedia subsystem.

14. (Currently Amended) A method for managing a local TE accessing a network, with a user identity card inserted in a MT, the method comprising ~~the steps of:~~

~~after receiving an authentication request identity message from the local TE, the MT requiring the identity of the user from the identity card, sending the identity to the TE, so that the TE performs authentication with the network by using the identity;~~

~~the TE performing authentication with the network, deciding whether the authentication is successful;~~

~~after receiving a authentication response message forwarding by the TE from the network, if the authentication is successful response message is a message of successful authentication, the MT sending key(s) information to the TE, and so that the TE accessing accesses the network using the received key(s) information; otherwise, terminating the procedure.~~

15-16. (Canceled)

17. (Currently Amended) The method according to Claim 14, wherein a management list of a local TE allowed to access containing an identity of the local TE allowed to access is configured in the MT, and the authentication request identify message contains the identity of the

local TE from the local TE, further comprising the steps of:

setting in the MT a management list containing the identity of the local TE;

after the MT receiving an authentication request identity message containing the identity of TEs from the local TE,, the method further comprising the steps of:

the MT deciding according to the identity information of TE in the management list whether to accept the request whether the identity in the received authentication request identity message exists in the management list of a local TE allowed to access;

if a decision is made to accept the request the identity exists in the management list of a local TE allowed to access, continuing the subsequent steps; otherwise, refusing to return the identity of the user identity card to the local TE and terminating the procedure.

18. (Currently Amended) The method according to claim 4, wherein the authentication request identity message comprises information of the authority identifier of the service to be requested, the method further comprising the steps of:

setting in the management list of a local TE TEs allowed to access authority information for TE to access the network;

after deciding according to the information of TE identity in the management list to accept the authentication identity request, the MT deciding whether the information of service authority identifier in the received request message is consistent with the authority information of the TE in the management list;

if the information of service authority identifier in the authentication request identity message is consistent with the authority information in the management list of a local TE TEs allowed to access, the MT acquiring identity of the user identity card and returning the identity to

the TE, the TE accessing the network using this identity, and the procedure is over; otherwise, refusing to return the identity of the user identity card to the TE, and terminating the procedure.

19. (Currently Amended) The method according to claim 18, further comprising ~~the steps of:~~
setting current state information of the TE in the management list of a local TE TEs
allowed to access; and

when the network allows only a limited number of a local TE TEs to access the network via an MT, after receiving an authentication request identity message containing the TE identity from the local TE, the MT first deciding according to the current state information of the TE in the management list whether the MT itself is serving the number of a local TE TEs as limited by the network;

if the MT is serving the number of a local TE TEs as limited by the network, refusing to return the identity of the user identity card to the TE, and terminating the procedure; otherwise, deciding according to the identity information of the TE whether to accept the request and continuing the subsequent steps.

20. (New) The method according to claim 1, further comprising, if the identity does not exist in the management list of a local TE allowed to access, refusing to return the identity of the user identity card to the TE, and terminating the procedure.

21. (New) The method according to claim 1, further comprising, if the identity does not exist in the management list of a local TE allowed to access, determining according to a policy of the user whether to return the identity of the user identity card to the TE.